SOLAR MODULES
MD085M(36)

Characteristics

Model	MD095M(36)	MD090M(36)	MD085M(36)	MD080M(36)
Module Efficiency	14.68%	13.91%	13.14%	12.36%
Open circuit voltage(Voc)	22.6V	22.4V	22.1V	21.9V
Optimum operating voltage(Vmp)	18.3V	18.1V	17.6V	17.4V
Short circuit current(Isc)	5.56A	5.32A	5.12A	4.85A
Optimum operating current(Imp)	5.2A	4.98A	4.83A	4.6 A
Maximum Power at STC(Pm)	95 Wp	90 Wp	85 Wp	80 Wp

MD075M(36)
11.59%
21.7V
17.2V
4.59 A
4.36 A
75 Wp

STC: Irradiance 1000W/㎡, Module temperature 25℃,AM=1.5.

Specifications

Cell	mono-crystalline silicon solar cells125×125mm
No. of cells and connections	36(4×9)
Dimension of module (mm)	1196×541×35mm
Weight	8Kg
Power Tolerance	0～ + 3%

Limits

Operating temperature	-40℃～+85℃
Maximum system voltage	(IEC)715 V DC (UL)600VDC
Maximum Series Fuse Rating	10A

Temperature and Coefficients

NOCT	45±2℃
Temp. Coeff.of Isc(TK Isc)	0.05%/℃
Temp. Coeff.of Voc(TK Voc)	-0.33% /℃
Temp. Coeff.of Pmax(TK Pmax)	-0.45%/℃
Maximum wind loads	2400Pa
Maximum snow load	5400Pa
Maximum Hail diameter @ 23m/s	25mm

NOCT: Nominal Operation Cell temperature

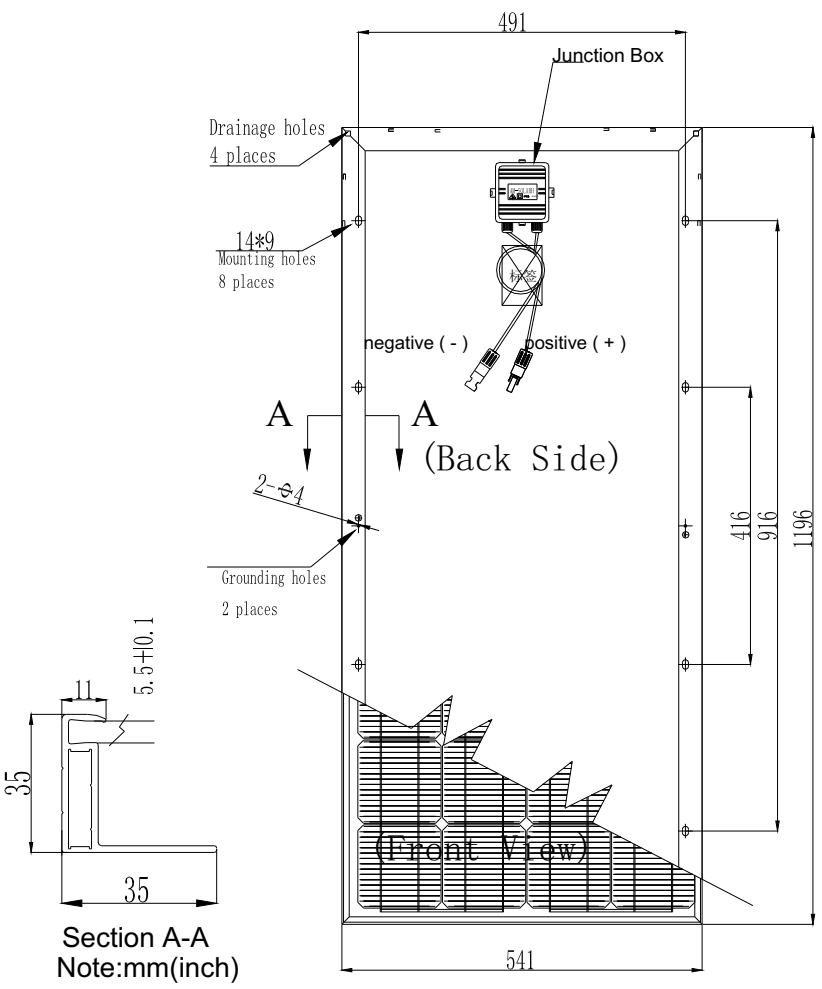
Output

Type of output terminal	Junction box
Cable	NanYang(4.0㎜²)
Asymmetrical lengths	700mm (－), 700mm(+)
Connection	MC4

Packing Quantity

Container	20GP	40HC
Pallets per container	8	18
Pieces per container	608	1746

Blueprint of the module



85W PV I-V characteristic curves